

10/574730

IAP15 Rec'd PCT/PTO 06 APR 2006

IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

In re: Application of BURNE et al.
International Application: PCT/US2004/033214
International Filing Date: 7 October 2004
For: RECOMBINANT ALKALINIZING BACTERIA

INFORMATION DISCLOSURE STATEMENT

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313

Dear Sir:

In accordance with the duty of disclosure under 37 C.F.R. §1.56, Applicants hereby notify the U.S. Patent Office of the documents which are listed on the attached Form PTO/SB/08B.

Submission of the listed documents is not intended as an admission that such documents constitute prior art against the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any of the listed documents as competent references against the present application. Applicants submit that the present invention is patentable over the cited references.

Although no fee is believed to be due, the Commissioner is hereby authorized to charge any underpayment to Deposit Account No. 50-0951.

Respectfully submitted,

AKERMAN SENTERFITT

Date: April 6, 2006



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Docket No.: 5853-454-1

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PTO/SB/08A (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	Not Yet Assigned
Filing Date	Herewith
First Named Inventor	BURNE
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	5853-454-1

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			T ⁶
		WO 02/092818 A2	04-26-2002	INSTITUT PASTEUR	

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Substitute for form 1449/PTO		Complete if Known			
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		Art Unit	Not Yet Assigned		
		Examiner Name	Not Yet Assigned		
Sheet	2	of	2	Attorney Docket Number	5853-454-1

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
		Griswold, A. et al. "Analysis of an Agmatine Deiminase Gene Cluster in Streptococcus mutans UA159", 2004, Journal of Bacteriology, 186(6):1902-1904		
		Kuramitsu, H.K. "Molecular Genetic Analysis of the Virulence of Oral Bacterial Pathogens: An Historical Perspective", 2003, Crit. Rev. Oral Biol. Med., 14(5):331-344		
		Dong, Y. et al. "Isolation and Molecular Analysis of the Gene Cluster for the Arginine Deiminase System from Streptococcus gordonii DL1", 2002, Applied and Environmental Microbiology, 68(11):5549-5553		
		Ajdic, D. et al. "Genome sequence of Streptococcus mutans UA159, a cariogenic dental pathogen", 2002, PNAS, 99(22):14434-14439		
		Morou-Bermudez, E. et al. "Analysis of Urease Expression in Actinomyces naeslundii WVU45", 2000, Infection and Immunity, 68(12):6670-6676		
		Griswold, A. et al. "Characterization of the Arginine Deiminase Operon of Spectococcus ratus FA-1", 2003, Applied and Environmental Microbiology, 70(3):1321-1327		
		Clancy, K. et al. "Characterization of Recombinant, Ureolytic Streptococcus mutans Demonstrates an Inverse Relationship between Dental Plaque Ureolytic Capacity and Cariogenicity", 2000, Infection and Immunity, 68 (5):2621-2629		
		Clancy, A. et al. "Construction and characterization of a recombinant ureolytic Streptococcus mutans and its use to demonstrate the relationship of urease activity to pH modulating capacity", 1997, FEMS Microbiology Letters, Vol. 151, pgs. 205-211		
		Burne, R.A., et al. "Alkali production by oral bacteria and protection against dental caries", FEMS Microbiology Letters, Vol. 93, pgs 1-6		
		Chen, Y.M. et al. "Streptococcus salivarius Urease: Genetic and Biochemical Characterization and Expression in a Dental Plaque Streptococcus", 1996, Infection and Immunity, 64(2):585-592		

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